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Amendments to the Specification

DEC 21 2006

Please change the Attorney Docket Number to **19.0380**.

Please amend paragraph [0020] as indicated:

[0020] In step 100, the seismic waves could be generated by a single seismic source that is offset from the borehole in a predetermined manner. Alternately, multiple seismic sources could be used to generate the seismic waves at the multiple offset positions. The offset positions at which the seismic waves are generated relative to the borehole can range from zero to a maximum value. Typically, the maximum offset is not greater than half of the depth of the drill bit. In general, the maximum offset depends on the depth of the drill bit, the depth of the target reflector, and general velocity trends. The number of offset positions needed depends on the assumed velocity model of the zone between the drill bit and the reflector. For a simplistic two-velocity model, two offset positions, e.g., one at the borehole and the other at the maximum offset, are the minimum required. In practice, more offset positions may be required to combat noise and uncertainties in anisotropy and to account for complicated velocity models.

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